700 SERIES Manual
MARINE ENTERTAINMENT SYSTEM

MS-IP700
True Marine Entertainment System for iPod

MS-AV700
True Marine DVD Entertainment System

WARNINGS AND CAUTIONS

Do not attempt to open the unit's chassis.

There are no user-serviceable parts or adjustments inside.

USING iPod

This unit has been tested with compatible authentic iPod models under normal expected operating conditions, free from any pre-existing defects in either the unit or the iPod.
No responsibility can be taken for use of the unit other than under normally expected operating conditions in conjunction with fully functional and undamaged iPod units which have been manufactured and authorized by Apple Inc.

USB Flash Drives

- **Drive format:** All USB flash drives used with this unit must be formatted to either FAT32 or NTFS format. These are the most commonly used format for USB flash drives.
- **Audio track format:** Audio tracks stored on USB flash drive must be in MP3 format to play on this unit.

Handling CD or DVD disc's (MS-AV700 model only)

- Avoid touching the surface of the disc.
- Avoid exposing the disc to direct sunlight.
- Ensure the disc is clean. If necessary, clean the disc with a clean, dry, soft, lint-free cloth.
- Ensure the disc is not scratched or damaged.
- Ensure the disc is dry when inserted into the unit.

Care and Maintenance

As with all products with a chrome finish exposed to the harsh marine environment, a little care will help preserve the finish and prevent corrosion. FUSION recommends that you clean any salt water and/ or salt residue from the stereo with a damp cloth soaked in fresh water.

REGISTER YOUR PRODUCT ONLINE:

For your own peace of mind, register your product purchase online at **www.fusionelectronics.com**

We'll keep you up to date with any news related to your product, any software upgrades or new accessories to help you get the most from your product.

All FUSION True Marine Products are backed by a 3 Year Limited Consumer Warranty and by registering your product you can be assured that if the unexpected occurs we'll have your details and be ready to help.

RECORD YOUR PRODUCT DETAILS HERE:

MODEL NUMBER_____ DATE OF PURCHASE_____

AFFIX RECEIPT HERE

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USER INTERFACE AND CONTROLS

CONTROL PANEL LAYOUT

BUTTON DESCRIPTION

PRIMARY SOURCE

MS-IP700	MS-AV700
iPod	DVD

Menu

Tuner source

Auxiliary

Rewind

Play/Pause

Forward

Power

Mute

Clock

Brightness

ROTARY ENCODER AND MENU KEY

Although the controls of the 700 Series are designed to be intuitive to use, we recommend that you familiarize yourself with the operation of the Encoder and Menu key before using the unit.

ROTARY ENCODER OPERATION

The Encoder can be used in three ways to control the operation of the 700 Series:

1		Rotary Encoder turn
2		Encoder press
3		Encoder press and hold down for at least one second

MENU KEY OPERATION

You can use the Menu key to open or to exit from menus:

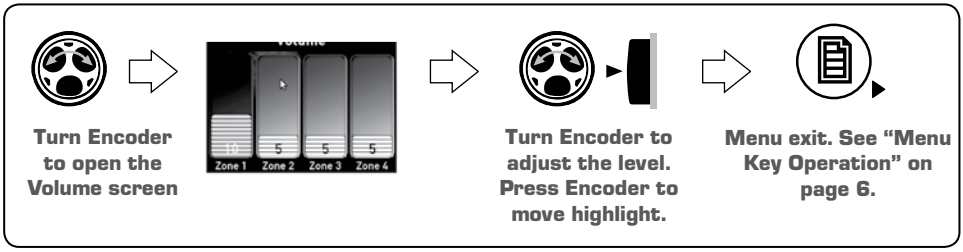
	Menu key	Press the Menu key to open a menu.
	Menu exit	In an open menu you can use the Menu key at any time to save changes and exit: • Press the Menu to exit from the current menu level or control screen. • Press and hold down the Menu key to exit from the menu completely. Or press any other key. **Time out feature:** After 10 seconds of inactivity, the menu exits and any changes are saved automatically.

USING THE ROTARY ENCODER AND MENU KEY

You can use the Rotary Encoder and Menu key to adjust levels, access menus and open control screens.

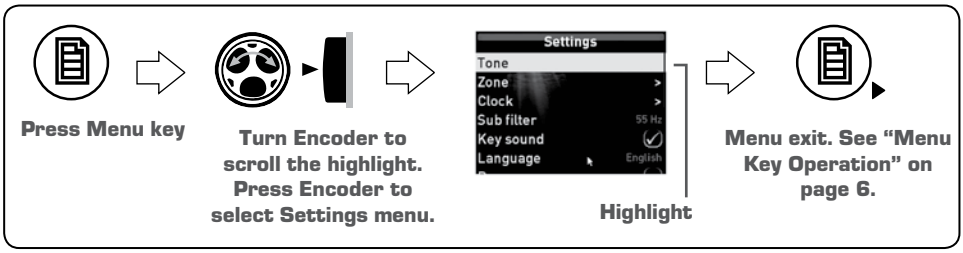
Adjusting levels

Use the Encoder and Menu key to adjust levels on the 700 Series.
For example, to adjust the volume level:


Turn Encoder to open the Volume screen
Zone 1
Zone 2
Zone 3
Zone 4
Turn Encoder to adjust the level. Press Encoder to move highlight.
Menu exit. See "Menu Key Operation" on page 6.

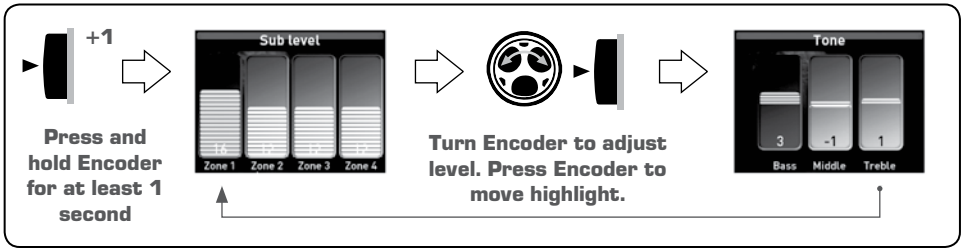
Accessing Menus

Use the Menu key and Encoder to access menus to change settings.
For example, to access the Settings menu:



Opening Control Screens

Use the Encoder to open the Sub Level and Tone control screens to adjust levels:



GETTING STARTED

POWERING THE UNIT ON OR OFF

When you power on the 700 Series it will automatically start playing music from the most recently selected input source.

To power the unit on or off.

Power	• Momentarily press the Power key to power on the unit. As the unit starts up, a splash screen is displayed for several seconds, followed by the current input source. • When the unit is on, momentarily press the Power key to power off the unit.

INPUT SOURCE SCREENS

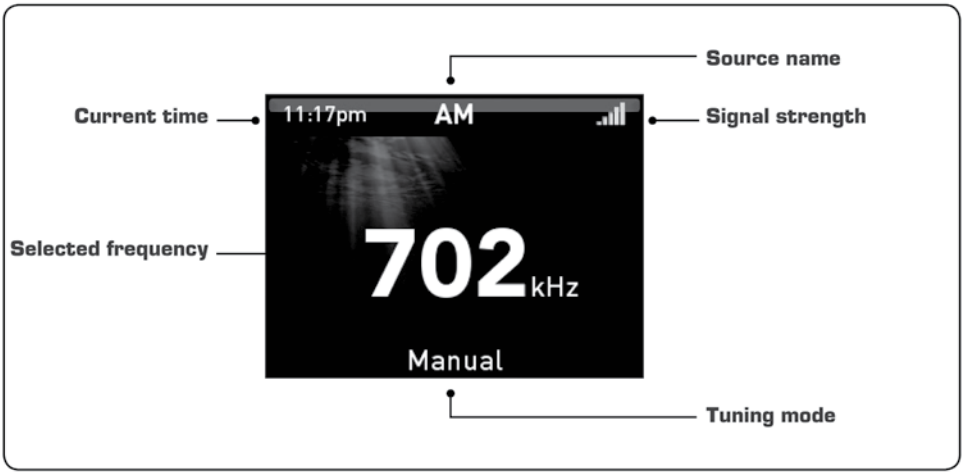
The 700 Series supports a wide range of input source types, depending on model:

- **MS-IP700.** AM/FM/VHF/SiriusXM; USB and iPod/iPhone via internal dock; auxiliary
- **MS-AV700.** AM/FM/VHF/SiriusXM; CD/DVD; USB and iPod/iPhone via external dock or cable; auxiliary.

Both models are also SiriusXM-Ready (USA only) requires optional SiriusXM Connect Vehicle Tuner. For further details of setting up SiriusXM options see “SiriusXM Satellite Radio” on page 49.

When you select one of these sources, the 700 Series displays a source screen, similar to the AM source screen shown in Figure 1 below. The title bar always shows the current time and source name. Other information varies depending on the source type you have selected.

Figure 1 – Example source screen (AM input selected)



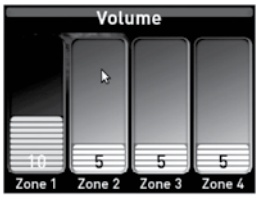
ADJUSTING VOLUME LEVEL

The 700 Series allows you to control speaker output volume level in up to four named areas called Zones. Note: Zone 3 and 4 require additional amplification.

If you wish, you can customize the settings for each Zone by defining a volume limit, a balance setting, a sub-woofer level and a personalized name (such as “Saloon” or “Galley”). For further details see “Zones” on page 40.

To adjust the volume level:

1. Turn the Encoder.
   - The Volume screen is displayed with the Current Zone Selection Highlighted (remembered from previous use).
   - The volume is adjusted in the highlighted Zone (or Zones) only.



2. If required, press the Encoder to highlight the next Zone to adjust its volume level.
   While the Volume screen is displayed, each press of the Encoder will highlight available Zones in the following order:

3. When finished, press the Menu key (or leave to time out) to save the current volume level and exit.

MUTING OUTPUT

To mute and unmute the volume:

Mute	• Press the Mute key to mute the audio output. The Mute icon is displayed over the top of the current input source screen. • Press the Mute key again to unmute the audio output. The volume continues at the previously set level.

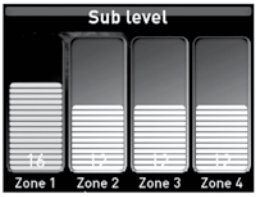
ADJUSTING SUB-WOOFER LEVEL AND TONE

Use the Sub level and Tone screens to set the sub-woofer levels and tone. Sub-woofer level can be adjusted for each Zone individually, but tone adjustments affect all Zones.

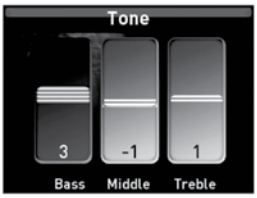
Menu key	**Encoder**

To set sub-woofer levels or tone:

1. Press and hold down the Encoder for at least one second. The Sub level screen is displayed.



2. Turn the Encoder to adjust the sub-woofer level for the highlighted Zone, as required.
3. Press the Encoder to highlight the next Zone, and adjust as required. When you press the Encoder in the last Zone, the Tone screen is displayed.



4. Turn the Encoder to left or right to adjust the Bass level, if required.
5. Press the Encoder to highlight each tone control, and adjust as required. When you press the Encoder on the Treble tone control, the Sub level screen is displayed again.
6. Press any key to exit

DISPLAYING THE CLOCK

Use the Clock key to display the current time. If the time is incorrect, see “Clock Setting” on page 48.

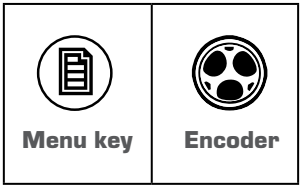
Note: The current time is also displayed in the title bar of each input source screen.

Clock	• Press the Clock key to display the current time

SETTING AND CLEARING THE ALARM

Use alarm mode to turn on the 700 Series at a pre-defined time.

When the alarm is activated, your 700 Series will play the last selected input source at the volume level in use when the unit was turned off.



To set the alarm:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select **Settings > Clock > Set alarm.**
3. Do one or both of the following:
   - Turn the Rotary Encoder to change the hour setting.
   - Press the Rotary Encoder to move to the minutes field. Adjust the minutes setting as required.
   - Press the Rotary Encoder to move to the AM/PM field (if enabled). Turn encoder to select AM or PM.
4. Press the Menu key to save the time settings and exit (the time out feature does not operate here).
5. Highlight the **Alarm enabled** checkbox and press the Encoder to enable it (☑).
6. Press any key to exit

To clear the alarm:

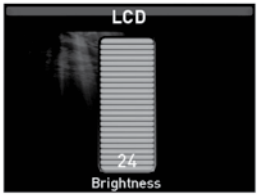
1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select Settings > Clock.
3. Highlight the Alarm enabled checkbox and press the Rotary Encoder to disable it (☐).
4. Press any key to exit

ADJUSTING SCREEN BRIGHTNESS

Note: LCD and button backlight brightness can be linked to the ambient lighting level. For further details, see "Installing the 700 Series" on page 33.

To adjust the brightness of the display screen:

1. Press the Brightness key. The Brightness screen is displayed.



2. Turn the Rotary Encoder to adjust the brightness setting.

3. Press any key to exit

LISTENING TO THE TUNER

To select one of the available tuner bands:

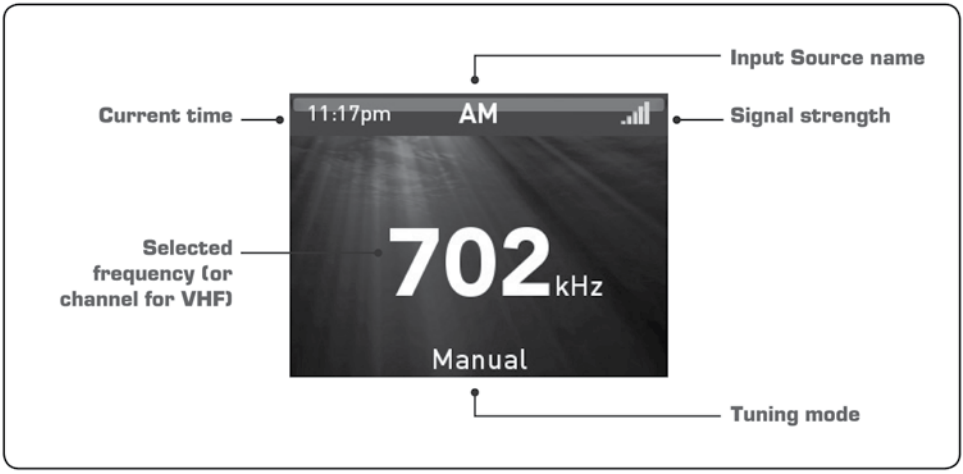
Tuner	• **Press the Tuner key to select input from each of the following in turn: AM, FM, VHF or SiriusXM-Ready (USA only) requires optional SiriusXM Connect Vehicle Tuner. The applicable input source screen is displayed for each band.**

TUNER SOURCE SCREENS

AM/FM/VHF

An example of a typical tuner input source screen is shown in Figure 2 below.

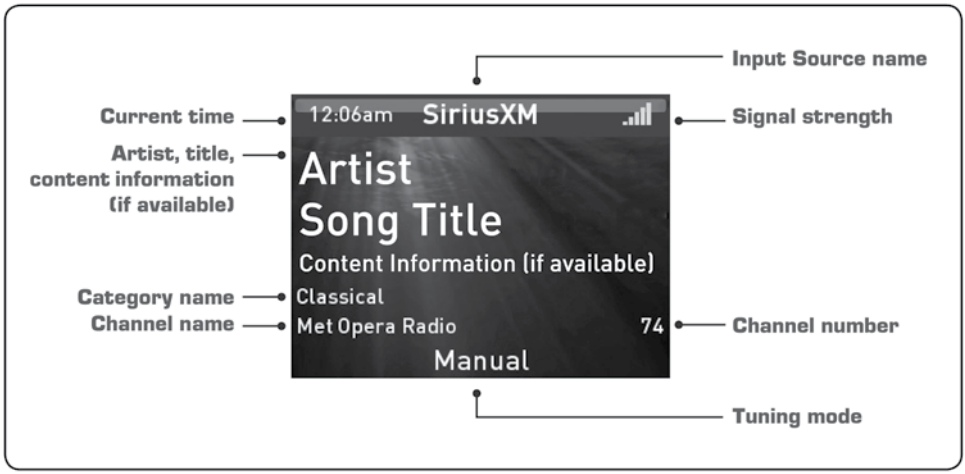
Figure 2 – Example AM band input source screen



SiriusXM

An example of the SiriusXM input source screen is shown in Figure 3 below.

Figure 3 – Example SiriusXM input source screen



TUNING METHODS

You can use three methods to tune the 700 Series: manual, automatic and preset.

Encoder	Menu key	Play / Pause	Rewind	Fast Forward

To tune to a required frequency, channel or preset:

Press the Play / Pause key to step through the available tuning methods for each band:

Note: Preset function only available if 2 or more presets are saved

Tuning Method	Applies to…	When tuning with this method…
Manual	All bands	• Press the Forward or Backward key to step through the range of frequencies or channels one at a time. • Press and hold down the key for rapid scanning of frequencies or channels.
Manual	SiriusXM	• Press the Forward or Backward key to step through all channels one at a time.
Category	SiriusXM	• Press the Play / Pause, Forward or Backward key to step through the channels in the selected category. • Only available when a category is selected in the **Category** menu item. For further details see “Category” on page 51.
Auto	AM/FM	• Press the Forward or Backward key to start searching for available stations. • Press the Play / Pause, Forward or Backward key to stop the search.
Scan	VHF	• Scans through preset channels, pausing on a channel while it is transmitting. • Only available if there are two or more presets saved. • If there is any background noise, the scan will stop. For further details see “Minimizing background noise” on page 19. • Press the Play / Pause, Forward or Backward key to turn scan mode off. For further details see “Turning scan mode on” on page 19. **NOTE: The Scan function is activated from the settings menu, see ‘Setting up VHF’**
Preset	All bands	• Press the Forward or Backward key to step through available presets. • Only available if there are two or more presets saved. • To tune to a specific preset: a. Press the Menu key, and then press the Encoder to select **Presets.** b. Turn the Encoder to highlight the required preset. c. Press the Encoder to tune to the highlighted preset. For further details, see “Adding and Removing Presets” on page 18.

ADDING AND REMOVING PRESETS

The 700 Series allows you to set up your favorite AM/FM stations, VHF or SiriusXM channels as presets for easy recall.

Note: Up to 15 presets can be stored for each radio band.

Encoder	**Menu key**	**Play / Pause**	**Rewind**	**Fast Forward**	**Tuner**

To add a new preset:

Do one of the following.

1. Tune the 700 Series to the required frequency or channel.
2. Press and hold down the Play / Pause key. The message: “Preset saved” is displayed briefly.

or

1. Press the Menu key.
2. Turn and then press the Encoder to select **Presets > Save current.** The message: “Preset saved” is displayed briefly.

To remove one or more presets:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Presets > Remove presets.**
3. Do one of the following (there is no warning or confirmation prompt before deletion):
   - Select **Remove all presets** and press the Encoder to remove all current presets.
   - Select a preset and press the Encoder to remove the selected preset.
4. Press any key to exit

SETTING UP VHF

Note: A marine FM antenna is required for VHF reception, DO NOT connect to a VHF splitter.

Minimizing background noise

Use the Squelch feature to reduce background noise on VHF input. Select a VHF channel, and then adjust the squelch control while there is nothing being transmitted on the channel.

To set the squelch level:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Squelch.**
3. Turn the Encoder to adjust the squelch level:
   - Increase the squelch level until the background noise is muted.
   - Reduce the squelch level if the audio transmission is not heard.
4. Press any key to exit

Turning scan mode on

Scan mode allows the 700 Series to scan through preset VHF channels, looking for active channels.

Note: If the Squelch level is adjusted so that you can hear a constant hissing sound, the unit will not scan correctly. To correct this, see "Minimizing background noise", above.

To turn scan mode on:

1. Press the Menu key.
2. Turn the Encoder to highlight the **Scan** menu item.
3. Press the Encoder to select the checkbox (☑). Scan mode is turned on and the menu exits automatically.

Note: Pressing the Play / Pause, Forward or Rewind key turns scan mode off.

PLAYING CONTENT

Before you can use your iPod as an input source you must first connect the device to the 700 Series. For further details, see “Preparing for iPod or USB Input” on page 43.

To listen to input from your iPod:

MS-IP700	**iPod**	• Press the iPod key. The iPod input source screen is displayed. The most recently selected track starts playing at the current play point.
MS-AV700	**Auxiliary**	• Press the Auxiliary key. Keep pressing the key until the iPod source screen is displayed.

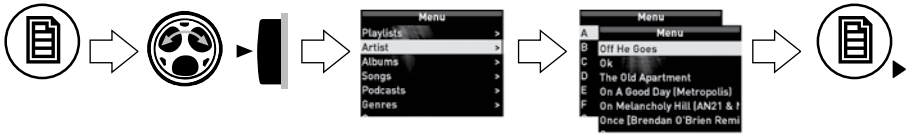
iPod SOURCE SCREEN

An example of a typical iPod input source screen is shown in Figure 4 below.

Figure 4 – Example iPod input source screen

Selecting tracks from a playlist

There can be thousands of tracks stored on an iPod, so you need to select the tracks you wish to play from one of the groupings available (such as Playlists, Artists, Albums). For example, to select tracks by artist:



Press Menu key

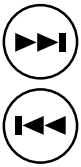
Turn Rotary Encoder to scroll the highlight. Press Rotary Encoder to select Artist.

Turn Rotary Encoder to scroll the highlight. Press Rotary Encoder to select the artist or track.
Note: Additional "A, B, C…" menu may appear if FAST is enabled. See "Searching" on page 23).

Menu exit. See "Menu Key Operation" on page 6.

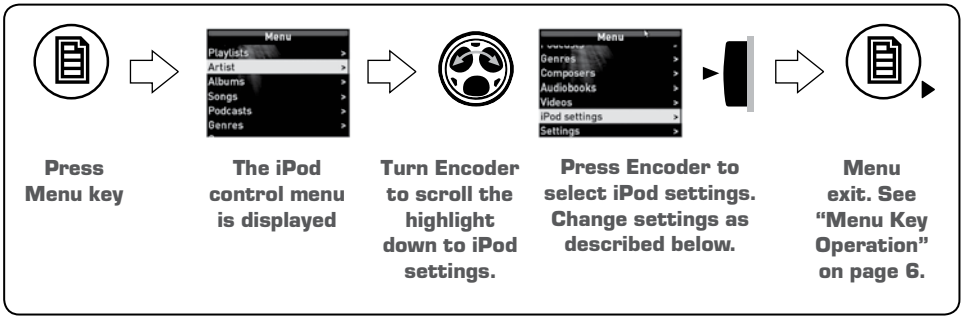
Controlling Playback

You can control iPod playback with the Play / Pause, Forward and Rewind keys. The selected track starts playing automatically.

If you want to:	Use:	Notes:
Play / Pause a track	Play / Pause	• Press the key to pause the current track. The pause icon (▮▮) is displayed top right in the input source screen. • Press the key again to resume play. The play (▶) icon is displayed in the input source screen.
Skip to next track	Forward	• Press the key to skip to the start of the next track.
	Rewind	• Press the key to skip to the start of the current track. • Press the key twice to skip to the start of the previous track.
Fast forward / rewind	 Forward, or Rewind	• Press and hold down the key to fast forward (or Rewind) the playback. The fast forward (▶▶) (or Rewind) icon is displayed in the input source screen.

CHANGING iPod SETTINGS

Additional iPod control features are available through the **iPod settings** menu.



Press Menu key

The iPod control menu is displayed

Turn Encoder to scroll the highlight down to iPod settings.

Press Encoder to select iPod settings. Change settings as described below.

Menu exit. See "Menu Key Operation" on page 6.

To change a setting in the iPod settings menu:

Turn and then press the Rotary Encoder to select one of the following settings to change. Then:

- Turn and then press the Rotary Encoder to select the required setting

Repeat

- **Off.** Repeat mode is turned off
- **One.** Repeat the current song
- **All.** Repeat all songs in the current playlist

Shuffle

- **Off.** Random play shuffle is turned off
- **Tracks.** Shuffle tracks on the current album
- **Albums.** Shuffle albums in the current playlist

Searching

If your iPod contains more than 100 artists, songs or albums, you can use FUSION Alpha Search Technology (FAST) to quickly navigate by letter or number. Use this option to control when to display the FAST menu.

- **Off.** The song/album list is displayed but not the FAST menu.
- **100–800.** Display the FAST menu when your iPod contains more than the selected number of items.

Subtitles

- **Off.** Subtitles are not displayed when the iPod is playing video
- **Subtitles.** Subtitles are displayed
- **Closed caption.** Provides additional information about the track (if available)

Album artwork

- ☑ Display album artwork if available
- ☐ Do not display album artwork

USB FLASH DRIVE

LISTENING TO YOUR MUSIC

Before you can use the USB flash drive as an input source you must first insert the device into the 700 Series. For further details, see “Preparing for iPod or USB Input” on page 43.

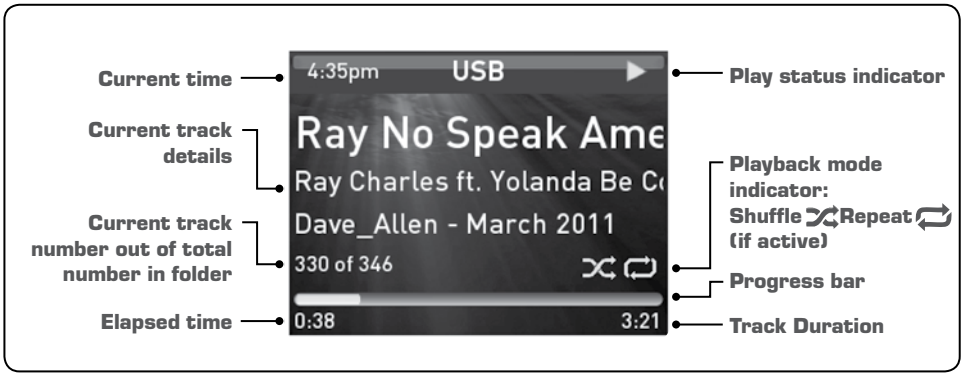
To listen to music from your USB flash drive:

MS-IP700	**Auxiliary**	• Press the Auxiliary key. The USB input source Storage screen is displayed.
MS-AV700		• Press the Auxiliary key. Keep pressing the key until the USB source screen is displayed.

USB SOURCE SCREEN

An example of a typical USB flash drive input source screen is shown in Figure 5 below.

Figure 5 – Example USB flash drive source screen

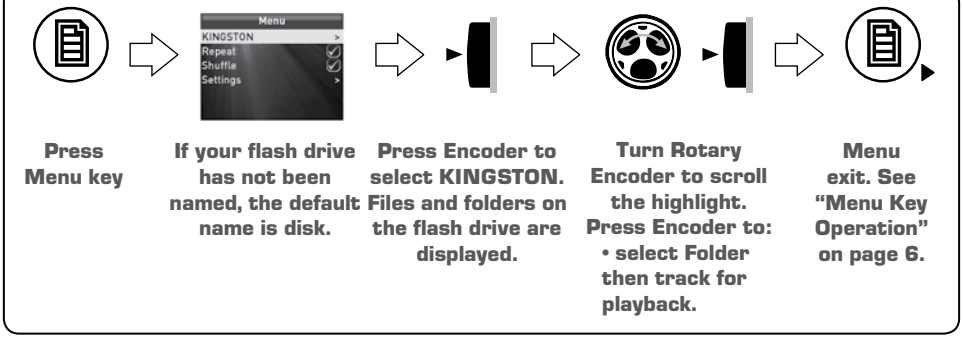


CONTROLLING USB FLASH DRIVE PLAYBACK

Selecting audio tracks from USB flash drive

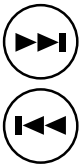
You can store audio tracks (MP3 format only) on a USB flash drive for playback on the 700 Series. Audio tracks can be stored in folders on the flash drive and selected for playback, as required. The flash drive must be formatted to FAT32 or NTFS format (these are the most commonly used flash drive format).

For example, to select a Folder then track.:

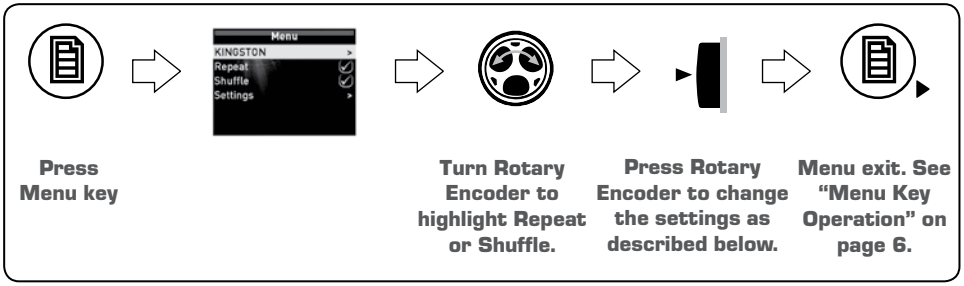

Menu
KINGSTON
Repeat
Shuffle
Settings
Press Menu key
If your flash drive has not been named, the default name is disk.
Press Encoder to select KINGSTON. Files and folders on the flash drive are displayed.
Turn Rotary Encoder to scroll the highlight. Press Encoder to:
• select Folder then track for playback.
Menu exit. See "Menu Key Operation" on page 6.

Controlling playback

You can control playback with the Play / Pause, Forward and Rewind keys. The selected track starts playing automatically.

If you want to:	Use:	Notes:
Play / Pause a track	Play / Pause	• Press the key to pause the current track. The pause icon (⏸) is displayed top right in the input source screen. • Press the key again to resume play. The play (▶) icon is displayed in the input source screen.
Skip	Forward	• Press the key to skip to the start of the next track.
	Rewind	• Press the key to skip to the start of the current track. • Press the key twice to skip to the start of the previous track.
Fast forward / rewind	 Forward, or Rewind	• Press and hold down the key to fast forward (or Rewind) the playback. The fast forward (▶▶) (or Rewind) icon is displayed in the input source screen.

CHANGING USB FLASH DRIVE SETTINGS



To change a highlighted setting in the USB settings menu:

1. Press the Encoder to toggle the value on or off.

Repeat

- ☐ Repeat mode is turned off.
- ☑ Repeat the current selection.

Shuffle

- ☐ Random play shuffle is turned off.
- ☑ Shuffle tracks in the current folder.

AUXILIARY INPUT

LISTENING TO AUXILIARY INPUT

The 700 Series can accept audio input from a TV, games console, portable player, computer, DVD player or any compatible device.

To listen to input from an alternate auxiliary device:

Auxiliary	• Press the Auxiliary key: • On the first press: **MS-IP700:** the USB input source Storage screen is displayed. **MS-AV700:** the iPod input source screen is displayed. • On the second press: **MS-AV700:** the input source screen for an alternate auxiliary input device is displayed (see below).

AUXILIARY SOURCE SCREEN

The input source screen displayed when you select alternate auxiliary input will depend on how the unit has been set up. The screen to display can be selected from one of the screens shown in Figure 6, below.

Figure 6 – Examples of auxiliary input source screens

Input level for the selected device can be adjusted if required. For further details, see “Preparing for Auxiliary Input” on page 47.

ADDITIONAL FEATURES

FUSION-Link
FUSION-Link has the ability to fully control on-board FUSION Entertainment systems (Supported models), by utilizing FUSION-Link capable multi-function displays installed at the helm, flybridge or nav station of the vessel, providing integrated entertainment control and a less cluttered console.

You can control one or more FUSION-Link capable stereo units from a single location on the boat with the touch of a button. FUSION-Link operates over existing industry standard networks including Ethernet, NMEA2000 and WiFi.

Link Zones or manage the entire audio system from the steering station on the boat. The partnered multi-purpose display becomes the portal to which all audio on the vessel is controlled, no matter where on the vessel the stereo is installed. The FUSION-Link equipped stereo can be installed out of sight if space is an issue and users need to visit the unit only to replace removable media.

For a list of FUSION-Link capable products from companies that are partnering with FUSION, please visit www.fusionelectronics.com for further details.

TOTAL AUDIO CONTROL VIA NMEA2000
NMEA2000 is the most popular marine standard for data communication within vessels. It has become the standard for sending navigation and engine management data within vessels. FUSION introduces an industry-first product by incorporating NMEA2000 functionality in its audio remote control devices. This will enable the user to monitor a series of available NMEA sentences. Visit www.fusionelectronics.com for a full list of supported NMEA sentences

FUSION MS-NRX200 Remote Control

The MS-NRX200 Remote Control has a full-featured user interface identical to the main unit. To the user, operating the entertainment system from the remote control is identical to operating it from the main unit. It includes a full size LCD screen and provides full functionality for navigating iPods.
The remote control will also serve as an NMEA repeater displaying NMEA navigation data or vessel performance data from other NMEA devices on the network.

ETHERNET SUPPORT

Connect an All-In-One-DHCP Wireless Ethernet Router to the 700 Series entertainment system and Apple® devices like the iPad, iPhone and iPod touch® can wirelessly control the audio around the boat. Apps are available for purchase to enable iPad, iPhone or iPod touch wireless control. from the iTunes app store. Android apps are available for purchase from Google Play.

For further connection details, see **www.fusionelectronics.com**

WIRED REMOTE

The 700 Series Marine Stereo can be controlled by MS-NRX200 wired remote controls installed in the various audio Zones throughout the vessel. There are different cable requirements depending on whether the 700 Series and remote controls are connected to an existing NMEA2000 bus or in a FUSION-only installation.

NMEA-2000 bus installation

FUSION's MS-NRX200 wired remote controls can connect to the NMEA 2000 bus, removing the need to wire back to the stereo unit. The communication is both ways, as FUSION's MS-NRX200 remote can repeat NMEA data like depth, speed and wind direction on the remote's screen. You will require a FUSION NMEA 2000 starter kit (MS-N2KSTART – to create a NMEA Bus) if you wish to connect the remote to the the existing NMEA 2000 Bus, you will require a MS-N2KCONN.

FUSION-only installation

Smaller or older vessels without NMEA 2000 can still have FUSION MS-NRX200 wired remotes in almost any location.

No starter kit is required as the MS-NRX200 wired remote package includes everything necessary to connect it directly to the 700 Series unit.

INFRARED (IR) REMOTE

MS-AV700 model only

You can use the IR remote to navigate through most functions in all sources

The following keys work the same way as the matching Head unit keys in all sources.	
Power On / Off	Mute all sound
Play / Pause	Display clock
Skip back	Skip forward

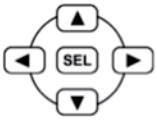
The following keys work the same way in all sources.	
	Change source
VOL	Volume Up / Down

The following keys work for DVD / iPod / USB sources only.	
RDM	Random / Shuffle
RPT	Cycle through repeat options

DVD source selected.

When the DVD source is selected, use the following keys to control specific features.	
MENU	Open a menu in the TV display.
DSP	Display on the TV display which CD track, DVD chapter and title you are currently watching or listening to.
ZOOM	Zoom in on the picture for the currently playing DVD.
SUB-T	Cycle through the available subtitle languages found in the playing DVD.
SETUP	Open the DVD setup menu on the TV display.

DVD source not selected

When the DVD source is not selected, use the following keys for navigating the 700 Series menu.	
MENU	Open the menu for navigation.
	Use the arrow keys to navigate through menu, and press select (SEL) to choose the highlighted menu item.

Dimensions are in millimeters (mm) and inches (”). Not to scale.

Figure 7 – Dimensions - top view

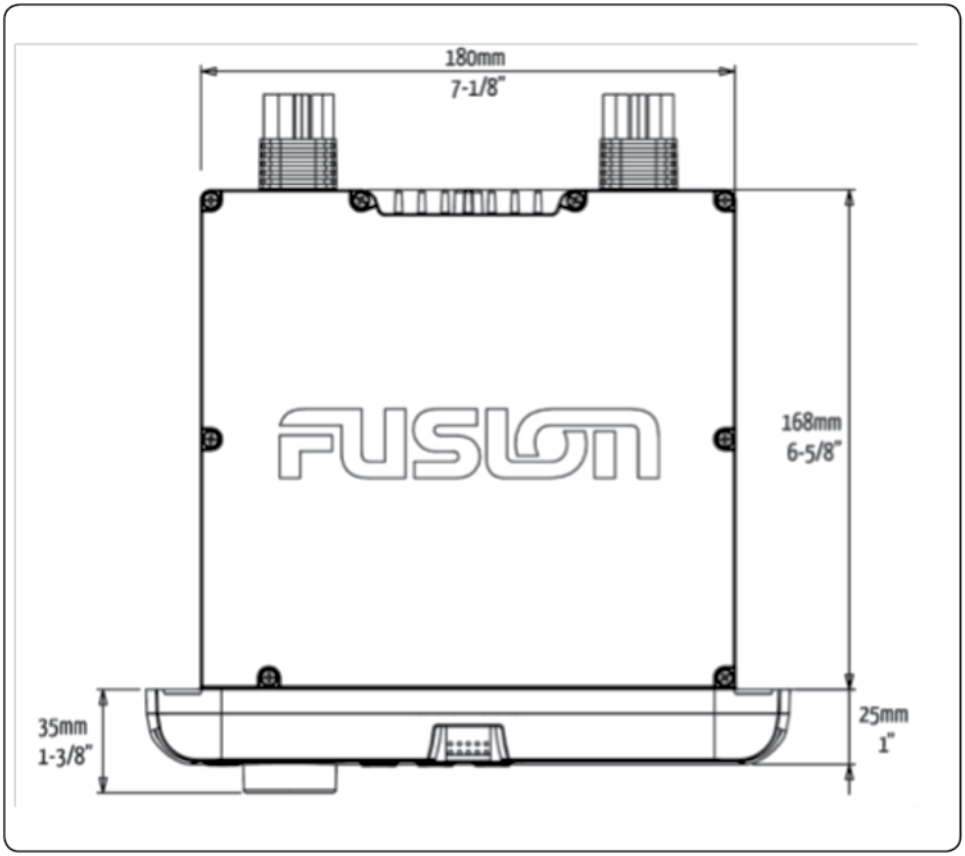


Figure 8 – Dimensions - side view

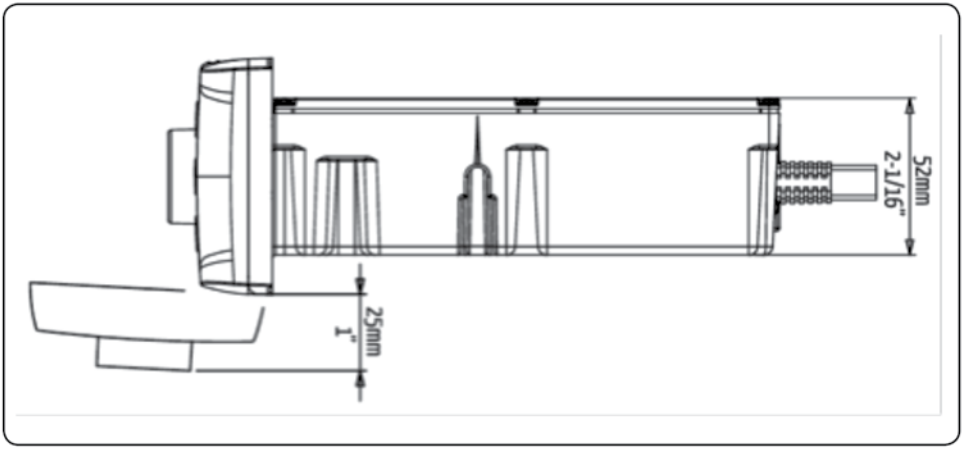
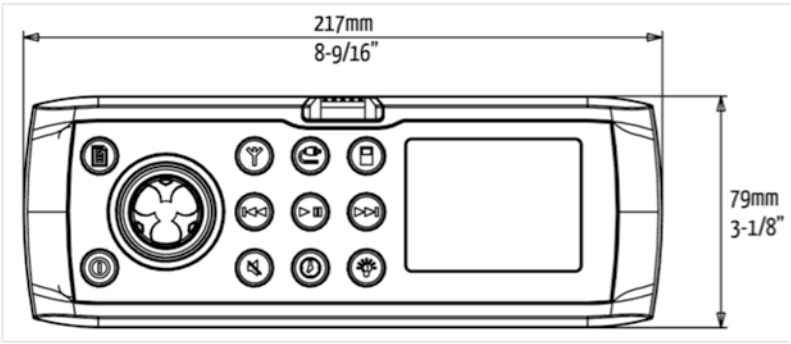


Figure 9 – Dimensions - front view



CONNECTIONS

DESCRIPTION	COLOUR
Battery +12VDC	Yellow
Accessory +12V switched	Red
Negative Ground	Black
Remote Amplifier Enable ouput	Blue/White
Dim input [12VDC active]	Orange
Telemute input [GND active]	Brown

Note: All +12V wiring MUST be fused at the power source end of your cable, with a 15 A fuse. When the red "Accessory +12V switched" wire is not required in your installation, it MUST be connected together with the Yellow "Battery +12V" wire at the MS-700 head unit wiring loom.

When connecting the Dim input ensure the wire gauge used is suitable for the fuse supplying the circuit being connected to.

ANTENNA CONNECTION

Connect an AM/FM marine antenna.
Note: Do Not Connect to a VHF splitter

AUX INPUT

Connect an Auxiliary source to the left and right RCA (White = L, Red = R).

VIDEO CONNECTION

(MS-IP700 iPod/iPhone video only, MS-AV700 DVD video only)
Connect the composite video output (Yellow = Video) to a TV / LCD monitor

USB CONNECTION (MS-AV700 only)

Connect an Apple sync cable (not included), or USB Flash Drive (not included) or connect the MS-DKIPUSB Portable Media Device Dock (not included)
Note: MS-IP700 has internal USB socket

NMEA2000 / WIRED REMOTE

For connection to a MS-NRX200 Remote (not included).
For connection to an existing NMEA2000 Bus a MS-N2KCONN is required (not included)
To install a new NMEA2000 Bus a MS-N2KSTART is required (not included)

ETHERNET CONNECTION

For connection to a DHCP Ethernet Router for communication with FUSION-Link capable devices.

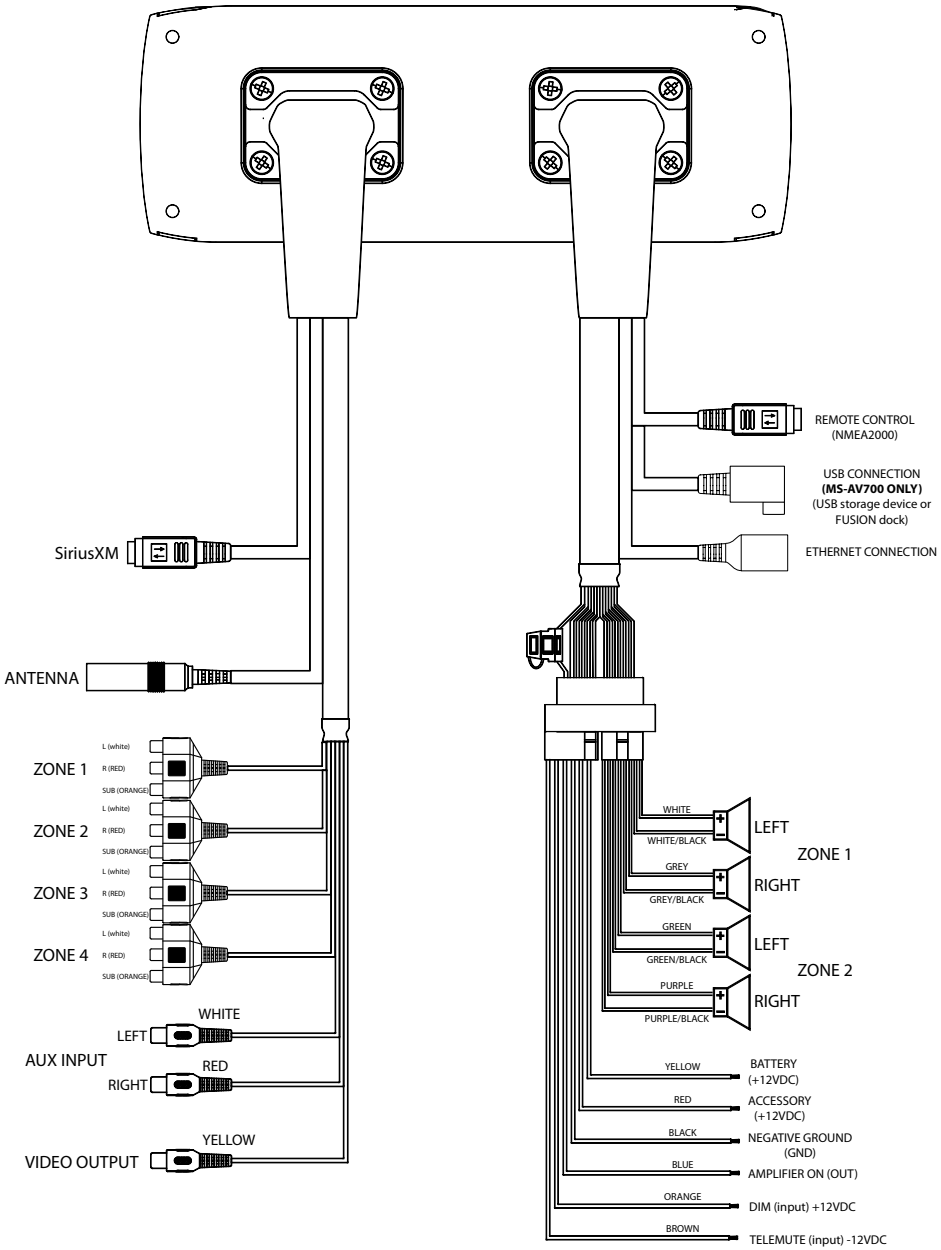
SiriusXM SATELLITE RADIO (For use in USA only)

Connect to SiriusXM Connect Vehicle Tuner (not included)

ZONE	CONNECTIONS
Zone 1	White = Speaker Left Positive White / Black = Speaker Left Negative Grey = Speaker Right Positive Grey / Black = Speaker Right Negative
Zone 2	Green = Speaker Left Positive Green / Black = Speaker Left Negative Purple = Speaker Right Positive Purple / Black = Speaker Right Negative

Note: Speaker connection (2 Ohm Stereo minimum). 2 pairs of 4 Ohm speakers per channel can be connected in parallel to achieve 2 Ohm configuration

Zone 1 Line Out (Red wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output
Zone 2 Line Out (White wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output
Zone 3 Line Out (Grey wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output
Zone 4 Line Out (Black wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output

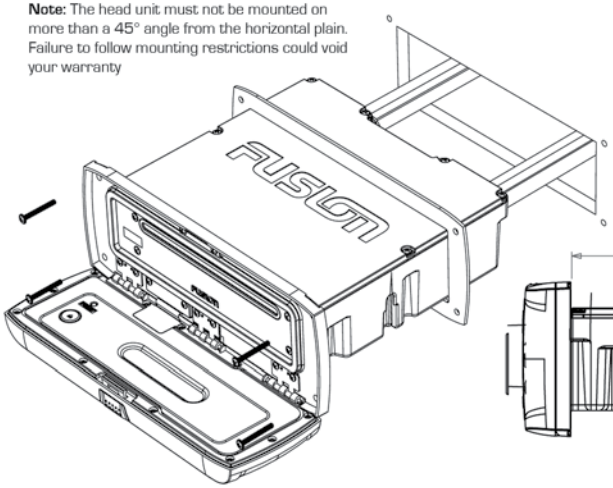

REMOTE CONTROL
(NMEA2000)
USB CONNECTION
(MS-AV700 ONLY)
(USB storage device or
FUSION dock)
ETHERNET CONNECTION
SiriusXM
ANTENNA
ZONE 1
L (white)
R (RED)
SUB (ORANGE)
ZONE 2
ZONE 3
ZONE 4
WHITE
LEFT
AUX INPUT
RED
RIGHT
YELLOW
VIDEO OUTPUT
WHITE
WHITE/BLACK
LEFT
ZONE 1
GREY
GREY/BLACK
RIGHT
GREEN
GREEN/BLACK
LEFT
ZONE 2
PURPLE
PURPLE/BLACK
RIGHT
YELLOW
BATTERY
(+12VDC)
RED
ACCESSORY
(+12VDC)
BLACK
NEGATIVE GROUND
(GND)
BLUE
AMPLIFIER ON (OUT)
ORANGE
DIM (input) +12VDC
BROWN
TELEMUTE (input) -12VDC

INSTALLATION

IF ANY MODIFICATION TO THE VESSEL IS REQUIRED, SUCH AS DRILLING HOLES ETC, FUSION RECOMMENDS CONSULTATION WITH YOUR BOAT DEALER OR MANUFACTURER BEFOREHAND.

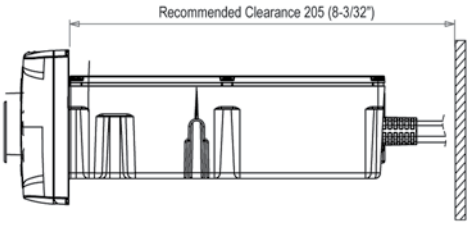
>> Fit mounting gasket
>> Insert the unit into the mounting hole
>> Pull down the front face to expose the mounting screw locations
>> Use either the supplied 4 x wood screws, or 4 x machined screws and metal clamps to affix the unit into position.

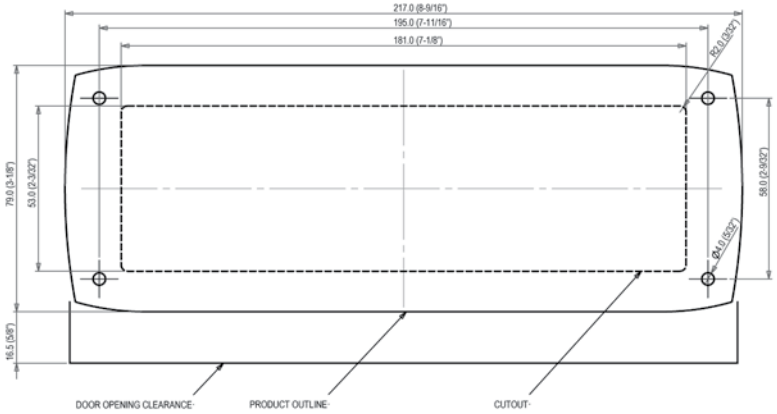
Note: The head unit must not be mounted on more than a 45° angle from the horizontal plain. Failure to follow mounting restrictions could void your warranty



Note: In some circumstances a back strap or brace may be required at the rear of the unit (Back Strap / Brace is not included).

Appropriate mounting is very important to ensure correct operation. Select a location that allows both free/open airflow around the rear of the chassis, whilst minimizing exposure to moisture. Allow adequate room at the rear of the unit for the cable looms (approx 2 - 3").

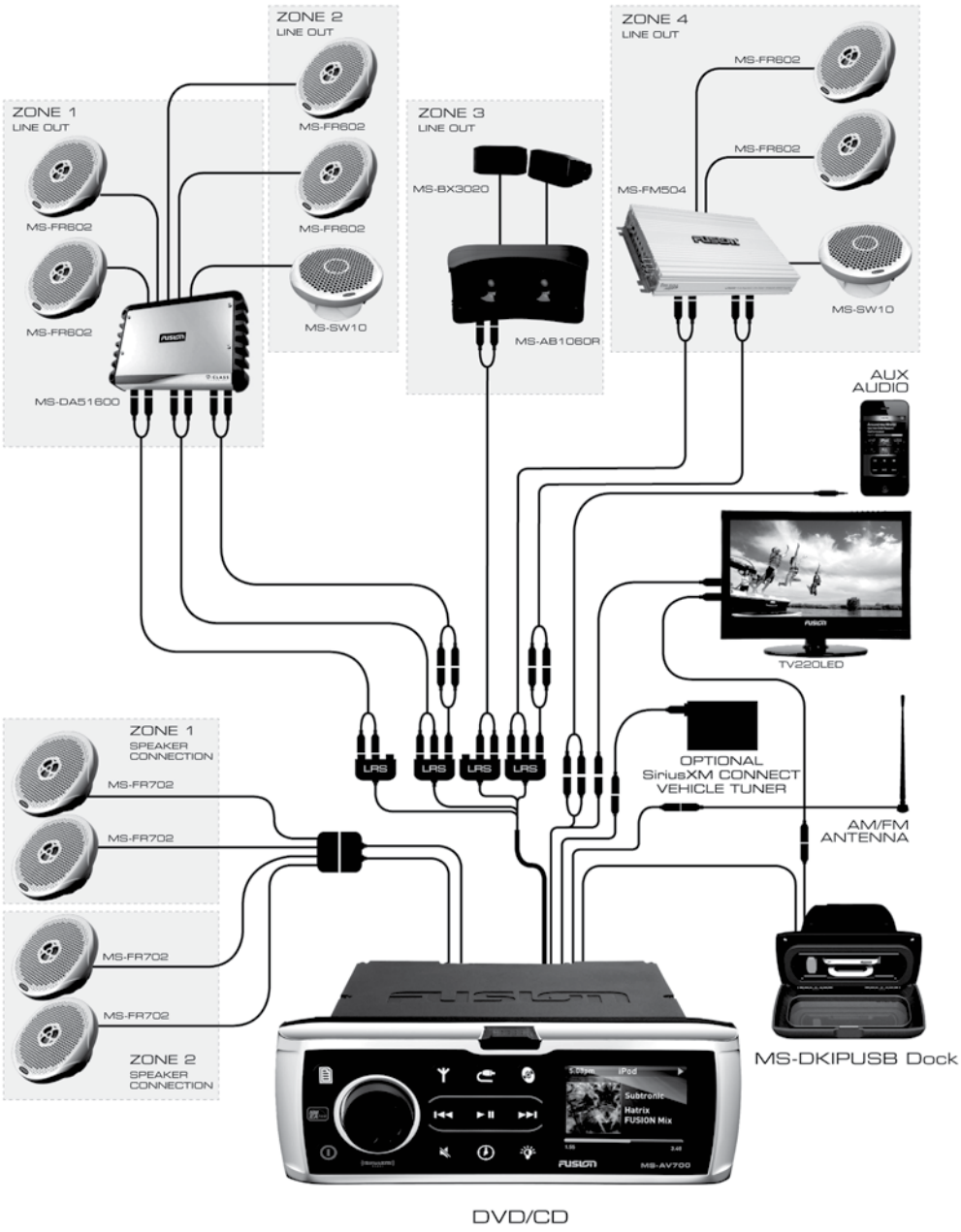




ELECTRICAL WIRING

Caution: The MS-IP700 and MS-AV700 are designed for vessels with a 12V DC Negative ground electrical system.

700 SERIES CONNECTION EXAMPLE



ZONES

Zone 1 and 2 are powered by the on board Class-D amplifier. External amplifiers are required to utilize the 4 line outputs and 4 subwoofer outputs. You can pre-set the balance, volume limit, sub-woofer level and name for each of the four Zones available on the 700 Series. If required, you can also:

- Enable or disable Zones 2, 3 and 4 (Zone 1 is always enabled).
- Enable or disable volume control (Zones 3 and 4 only).
- Link Zones 1 and 2.
- Disable the internal amplifiers for Zones 1 and 2. For example, if external amplifiers are used for Zones 1 and 2 the internal amplifiers can be disabled to reduce power consumption.

Selecting and setting up a zone

To select a Zone and modify its settings:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Zone.**
3. Turn and then press the Encoder to select the Zone you wish to work with.
4. Use any of the following instructions to update settings for the selected Zone.

Enabled

Zones 2–4 can be disabled if required. This is useful, for example, if only two Zones have been set up, as disabled Zones are not displayed in any screens when setting levels.

To enable or disable the selected Zone:

a. Select the **Enabled** menu item.
b. Press the Encoder to enable (☑) or disable (☐) the selected Zone.
c. Press any key to exit

To disable or enable the internal amplifiers for Zones 1 and 2:

a. Select the **Internal amplifier on** menu item from the Zone menu.
b. Press the Encoder to disable (☐) or enable (☑) the amplifiers
c. Press any key to exit

Important: If a Zone is disabled, you cannot change any of the following settings for that Zone.

Volume control

Zones 3 and 4 can have volume control disabled. You should disable volume control for a Zone that has its volume controlled from another amplifier or Head unit. If volume control is:

- **Enabled**: turning the Encoder will change line level output for the selected Zone only.
- **Disabled**: turning the Encoder will not change line level output for the selected Zone.

To enable or disable volume control:

a. Select the Volume Control menu item.
b. Press the Encoder to enable (☑) or disable (☐) volume control.
c. Press any key to exit

Link to zone 1

Zones 1 and 2 can be linked so that any volume or sub-woofer level changes are applied to both Zones. A small "+" sign is displayed on screen between Zones 1 and 2 when this feature is enabled.

To link Zone 2 level to Zone 1 level:

a. Select the **Link to zone 1** menu item.
b. Press the Encoder to link the two Zones (☑) or unlink (☐) the Zones.
c. Press any key to exit

Balance

To specify the balance for the selected Zone:

a. Select the **Balance** menu item.
b. Turn the Encoder to the left or right to adjust the Balance for the selected Zone.
c. Press any key to exit

Volume limit

This feature is useful to limit the volume level to prevent excessive noise levels in specific Zones.

To specify the volume limit for the selected Zone:

a. Select the **Volume Limit** menu item.
b. Turn the Encoder to adjust the volume limit for the selected Zone.
c. Press any key to exit

Sub-woofer level

External amplifiers are required to add up to 4 subwoofers to the system
A single screen is used to set the sub-woofer level for all Zones.

You can access the screen:

- directly from any input source screen by pressing and holding down the Encoder, or
- from a selected Zone's **Sub level** menu item, as described below.

To specify the sub-woofer level for the selected Zone:

a. Select the **Sub level** menu item. The Sub level screen is displayed with the first Zone highlighted.
b. Turn the Encoder to adjust the sub level for the highlighted Zone.
c. If required, press the Encoder to accept the sub level and move automatically to the next Zone.
d. Press any key to exit

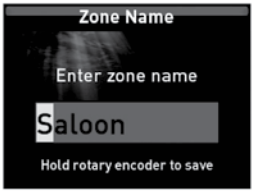
Name

Initially, the Zones are named Zone 1–4, but you can give each zone a name of your choice (up to 10 characters in length). The available characters include all the uppercase letters, all the lowercase letters, space and numbers. While changing the Zone name, you can:

- Exit without saving any changes: press the Menu key.
- Exit and save any changes: press and hold down the Encoder.

To enter the name for the selected Zone:

a. Select the Name menu item. The current Zone name is displayed with the first character highlighted.



b. If required, press the Forward (or Backward) key to highlight the character you wish to change.

c. Turn the Encoder to display the required value for the highlighted character.

d. Press the Encoder to accept the displayed value and move to the next character.

e. Repeat Steps b–d until you have worked through all the characters you wish to change.

f. Press and hold down the Encoder to save the changes and exit.

PREPARING FOR iPod OR USB INPUT

This section describes how to prepare for iPod and USB input for the MS-IP700 and MS-AV700 models.

When using your iPod with either model:

- Always disconnect your iPod from the unit when not in use and do not leave in your vessel. This helps reduce risk of theft or damage as vessel cabins can reach extreme temperatures.
- Do not remove iPod or use stereo in a distracting manner while operating the vessel. Check and obey all marine laws in association with use.

MS-IP700 model

Note: If you select iPod or USB input without first inserting the device, the message "Not connected" is displayed on the screen.

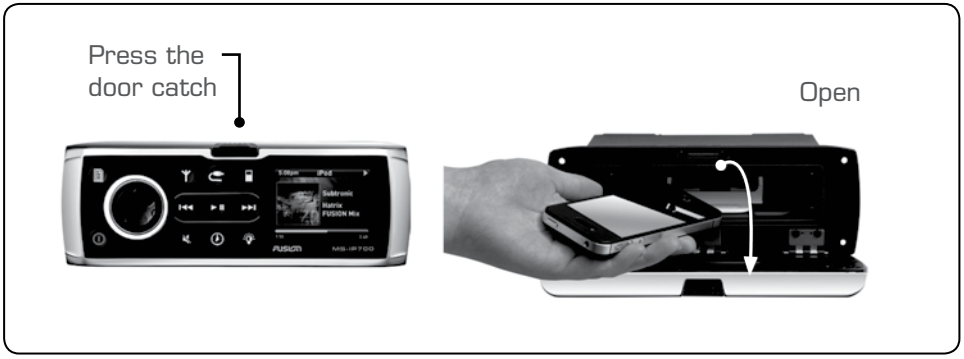
Before inserting iPod

To avoid damage and ensure safe operation, please read the following information before using your iPod.

- Please ensure iPod dock connector is clean, dry and free from damage.
- Check that the unit's iPod dock is free from obstructions.
- Insert correct sleeve combination to match your iPod (never insert iPod without the correct sleeve).
- Ensure iPod is inserted with display facing upwards.
- Never force your iPod into the dock, if the iPod does not mate with reasonable ease, the sleeve/iPod combination is most likely incorrect.
- Take care when removing iPod from unit as surfaces may be warm.

To insert your iPod or USB flash drive:

1. Press the door catch and open the control panel door.



2. Insert your USB flash drive onto the USB socket or insert your iPod in its sleeve (see iPod compatibility sheet supplied separately)). Make sure that the device is firmly pushed onto the connector socket.

3. Close the control panel door firmly.
4. Select input from the device, as required.

MS-AV700 model

To connect your iPod, you will need:

- Portable media device dock (MS-DKIPUSB), or
- Apple Sync Cable.

To connect your USB flash drive, you will need:

- Portable media device dock (MS-DKIPUSB), or
- USB cable (the USB cable on the MS-AV700 unit must be accessible).

Note: If you select iPod or USB input without first connecting the device, the message "Not connected" is displayed on the screen.

To connect your iPod or USB flash drive to the 700 Series via a MS-DKIPUSB dock:

1. Press the door catch and open the door of the dock.

Portable media device dock
(MS-DKIPUSB)

2. Insert your USB flash drive into the USB connector or insert your iPod in its correct sleeve. Make sure that the device is firmly pushed onto the connector socket.

3. Close the door firmly.

4. Select input from the device, as required.

To connect your iPod to the 700 Series via an Apple Sync cable (AV700 only):

1. Plug the USB plug of your Sync Cable into the USB socket of the external USB cable on the MS-AV700.

2. Connect your iPod or iPhone to the 30-pin Connector of your Apple Sync Cable.

3. Select input from the device, as required.

Supported iPod sleeves

Full details of included iPod sleeves are printed on a separate card included in the box with the 700 Series.

PREPARING FOR AUXILIARY INPUT

Connecting auxiliary device

Connect the auxiliary device to the AUX IN cable (White and Red RCA sockets) at the rear of the 700 Series.

Adjusting Auxiliary input level

Many different types of auxiliary device (TV, DVD, Game Console, Media player) can be connected to the 700 Series, and these devices will have either a line output or headphone output jack.

To allow for the wide range of input levels from these devices, the AUX input has adjustable input gain. This should be adjusted to achieve a similar volume level to the other (fixed gain) input sources on the 700 Series.

To adjust auxiliary input level by changing the gain:

- Increase gain (volume) by pressing the Forward key (1dB steps up to 9dB)
- Decrease gain by pressing the Rewind key (1dB steps down to -9dB).

Recommended settings are listed below:

AUX Device	AUX gain setting (dB)
Portable media player with headphone output	-9dB to -6dB
CD/DVD player with line output	-6dB
Portable media player with line output	0dB
Game console with line output	0dB
Older audio/visual equipment with line output (for example: VHS or cassette deck)	6dB to 9dB

Note: When using the headphone output of a portable device, it may be necessary to adjust the device's own volume control for best audio quality.

CLOCK SETTING

The 700 Series unit has a built-in clock that can display the time in 12-hour or 24-hour mode.

To set the clock:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Clock > Set clock**. The Set Clock screen is displayed.

3. Turn the Encoder to change the hour setting.
4. If required, press the Encoder to move to the minutes field. Turn the Encoder to change the minutes setting.

5. If required, press the Encoder to move to the AM/PM field (displayed in 12 hour clock mode only. See Step 7 below). Turn the Encoder to change the AM/PM setting.
6. Press the Encoder to save the time and exit (the time out feature does not operate here).
7. If you want to use the 24 hour clock display (13:09 rather than 1:09 pm, for example), make sure the **24 hour** checkbox is selected (☑). See Steps 2–3 below.
8. Press the Menu key (or leave to time out) to save the current setting and exit.

To select 12 or 24 hour clock display mode:

1. Press the Menu key.
2. Turn and then press the Encoder to select Settings > Clock > 24 hour.
3. Press the Encoder to select the 24 hour clock display (13:09 rather than 1:09 pm, for example) (☑)
4. Press any key to exit

SiriusXM SATELLITE RADIO

Everything worth listening to is on SiriusXM, getting over 130 channels, including the most commercial-free music, plus the best sports, news, talk and entertainment. A SiriusXM Vehicle Tuner (sold separately) and Subscription are required. For more information, visit www.siriusxm.com. The 700 Series is ready to connect to a SiriusXM radio receiver (USA only). The SiriusXM tuner is an optional extra that must be purchased separately.

Activating your SiriusXM tuner

You must activate the SiriusXM tuner before you can begin to receive the SiriusXM Radio Service.

In order to activate your radio subscription, you will need the SiriusXM ID (SXID) which uniquely identifies your tuner. The 12 digit SXID is displayed on the LCD on initialization. MS-IP700 and MS-AV700 will display the SXID on Channel 0.

Power on your system and make sure that you are receiving good signal, you are able to hear audio on the SiriusXM Preview channel (Channel 1)

To listen to SiruisXM Satellite Radio, a subscription is required. Activate the SiriusXM Vehicle Tuner using one of the two methods below:

Online: Go to www.siriusxm.com/activatenow

Phone: Call 1-866-635-2349

SiriusXM menu options

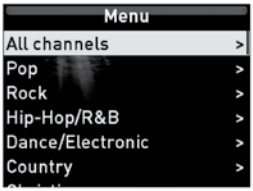
Press the Menu key to display the SiriusXM menu that provides access to various control options. Read on to learn more about using the Channels, Category and Parental options.

Channels

You can use the Channels menu item to access a specific channel either through All channels or via a specific category.

To select a channel:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Channels.** The Channels menu is displayed.

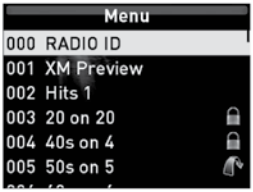


3. Do one of the following:
   - To select a channel from the list of all channels, press the Encoder to select All channels.
   - To select a channel in a specific category, turn and then press the Encoder to select a category name (Pop, for example).

4. Turn and press the Encoder again to select the channel you wish to play.
5. Press the Menu key to exit the current menu or press and hold the Menu key to close the menu completely.

Special icons

When you select a channel in the channels list you may see two different icons at the right hand side of the list.



- The padlock icon means the channel is locked or considered mature content. If you select this channel you will be asked to unlock parent mode, if it is not already unlocked.
- The green arrow icon means the channel has been setup to be skipped when using the Forward and Backward keys in the Sirius Source Screen. However, you can always access a skipped channel via this channel list.

Category

You can use the Category menu item to control which categories of channels are available (Rock, for example) when you are using the Category tuning method (see “Tuning Methods” on page 16.

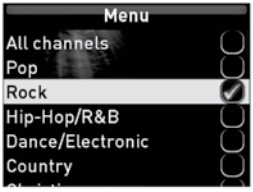
To select a Category:

1. Press the Menu key.

2. Turn and then press the Encoder to select Category.

3. Do one of the following:

- To enable the Category Tuning method, turn and then press the Encoder to select the required category name, “Rock” for example:



The Sirius Source Screen is displayed with the Tuning mode indicator set to ‘Category’.

- To disable the Category tuning method, press the Encoder to select All channels. The SiriusXM Source Screen is displayed with the Tuning mode indicated set to 'Manual'.

4. Press the Menu key to exit the current menu or press and hold the Menu key to close the menu completely.

Parental mode

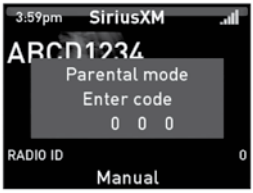
Parental mode provides a way of preventing access channels marked by SiriusXM as "Mature" or "Locked". You must enter a 4-digit access code to enter Parental mode. When in Parental mode you can also change the 4-digit access code.

Note: The factory setting for the access code is 0000. You can reset the access code to 0000 by pressing and holding down the Mute key for 15 seconds.

To enter Parental menu:

1. Press the Menu key.

2. Turn and then press the Encoder to select Parental > Unlock. The following access screen is displayed with the first digit highlighted:



3. Enter the access code by turning the Encoder to change the highlighted digit, then press the Encoder to select the next digit. When you have entered all four digits correctly, Parental mode is unlocked.

To change the Parental mode access code:

1. Press the Menu key.

2. Turn and then press the Encoder to select Parental > Change code. The following access screen is displayed with the first digit highlighted:

3. Enter the old (current) access code by turning the Encoder to change the highlighted digit, then press the Encoder to select the next digit. When you have entered all four digits correctly, you will be prompted to enter the new access code.
4. Enter the new access code by turning the Encoder to change the highlighted digit, then press the Encoder to select the next digit. When you have entered all four digits correctly, you will be prompted to enter the new access code for a second time.
5. Press the Menu key (or leave to time out) to save the new code and exit.

Channel Locking / unlocking

Any channels (not just mature content channels) can be locked. Locked channels cannot be seen in the Sirius Source Screen or when changing channels with the Forward and Backward keys. Locked channels can be accessed in parental mode only.

To access a locked channel:

1. Press the Menu key.
2. Do one of the following:
   a. Turn and then press the Encoder to select **Parental > Unlock.**
   OR
   a. Turn and then press the Encoder to select **Parental > Channels.**
   b. Tune to the channel you require. This channel will display a padlock icon, to the right of the screen.
3. Enter your access code.
4. Press the Menu key to return to the Sirius Source Screen.

To lock or unlock a channel:

1. Press the Menu key.

2. (if required) turn and then press the Encoder to select **Parental > Unlock**. Enter your access code.
3. Select the **Lock/Unlock** menu item.
4. Turn the Encoder to highlight a channel then press the Encoder to lock (☑) or unlock (☐) the channel, as required.
5. Press the Menu key (or leave to time out) to exit.

Channel Skipping

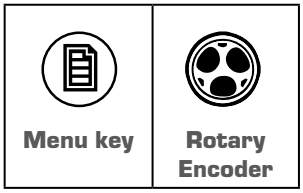
Channel skipping gives the user the ability to set a channel to be skipped / missed while navigating via the Forward and Back key in the SiriusXM Source Screen. The user still able to navigate to a skipped channel via the channel list found in the menu.

To set or unset a channel from being skipped:

1. Press the Menu key.
2. (if required) turn and then press the Encoder to select Parental > Unlock. Enter your access code.
3. Select the Skip/UnSkip menu item.
4. Turn the Encoder to highlight a channel then press the Encoder to turn on (☑) or turn off (☐) skip, as required.
5. Press the Menu key (or leave to time out) to exit.

ADVANCED SETTINGS

The settings described in this section are usually set up when the unit is installed and not changed again.



Sub filter

Use the sub filter setting to control the sub-woofer cutoff frequency. Audio signals above the selected frequency will not be passed on to the sub-woofer. The sub filter settings apply to all sub-woofer outputs.

To change the sub filter setting:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select **Settings > Sub filter.**
3. Turn the Rotary Encoder to select the required filter frequency.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

Key sound

The 700 Series makes a short beeping sound when any key is pressed. This feature can be turned on or off, as required.

To enable or disable the key sound:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select Settings > Key sound.
3. Press the Rotary Encoder to turn on key sound (audible beeps) (☑)
   or turn off key sound (silent) (☐)
4. Press any key to exit

Language

The 700 Series can display menus and screens in English, Dutch, French, German, Italian or Spanish.

To select the required display language:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Language.**
3. Turn the Encoder to select the required language.
4. Press the Encoder to save the setting and exit.
5. Press any key to exit

Power save

If you are operating the 700 Series on battery power, you can turn on the power save option to reduce drain on the battery. The LCD screen shuts down automatically after 1 minute of inactivity (press any key to restore display).

To enable or disable power saving mode:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Power save.**
3. Press the Encoder to turn on power saving (☑)
   or turn off power saving (☐).
4. Press any key to exit

Tel mute

Use this option to control which action is taken when the 700 Series is connected to a cellphone hands-free kit.

To change the Tel mute setting:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Tel mute.**
3. Turn the Encoder to select the required option:
   - **Mute.** Mutes the audio output from the 700 Series when a call is received on your cellphone.
   - **Aux.** Allows the received call to be broadcast through the Auxilary input on the 700 Series.
     Note: This feature may not operate all available hands-free kits. Hands free kit must be connected to the TELMUTE input and AUX input.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

Tuner region

Use this option to select the correct region .

To change the tuner region setting:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select **Settings > Tuner region.**
3. Turn the Rotary Encoder to select the required region.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

VHF region

Use this option to select the correct VHF tuning region.

To change the VHF region setting:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select the **Settings > VHF region.**
3. Turn the Rotary Encoder to select the required region.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

Sources

Use this option to turn the AM or VHF tuner source on or off, if required. This is useful if you only listen to FM and do not wish to step through AM and VHF when selecting a tuner source.

To enable or disable the AM of VHF tuner sources:

1. Press the Menu key.
2. Turn and then press the Encoder to select the **Settings > Sources.**
3. If required, press the Encoder to enable the AM source (☑) or disable the AM source (☐).
4. If required, turn the Encoder to select **VHF** then, press the Encoder to enable the VHF source (☑) or disable the VHF source (☐).
5. Press any key to exit.

Factory Reset

The factory reset function will return all settings in the 700 Series to the factory default value.

Warning: All AM, FM and VHF station presents are erased. Tuner and VHF tuner regions are reset to USA. All zones are enabled and zone settings, tone, subwoofer filter settings, source settings and device name are returned to default values.

To reset your 700 Series to factory default values:

1. Press the Menu Key.
2. Turn and press the Encoder to select **Settings > Update.**
3. Turn and press the Encoder to select **Factory reset.** All settings will be restored to the factory default. At the completion of the reset process the stereo will automatically power down and restart.

TROUBLESHOOTING

Problem	Solution
General	
The unit does not respond to key presses.	• Reset the unit by pressing the Reset button inside the control panel door.
What is the best way to prevent corrosion on my 700 Series chrome finish?	As with all products with a chrome finish exposed to the harsh marine environment, a little care will help to preserve the finish and prevent corrosion. FUSION recommends that you clean any salt water and/or salt residue from the front panel with a damp cloth soaked in fresh water.

Problem	Solution
SiriusXM	
When I press the tuner source button the SiriusXM screen is not displayed.	Ensure you have the MS700 Tuner region set to 'USA'. Press Menu > Settings > Tuner region > and select 'USA'. • Ensure the SiriusXM module is plugged into the MS700. • Unplug the SiriusXM module and check the pins in the SiriusXM plug are not damaged.
SiriusXM message: 'Check Tuner'	• Ensure the SiriusXM module is plugged into the MS700. • Ensure the SiriusXM cable has not been damaged.
SiriusXM message: 'Check Antenna'	• Ensure the antenna is plugged into the SiriusXM Tuner module. • Ensure the antenna is not damaged. • Ensure the antenna cable has not been damaged
SiriusXM message: 'No Signal'.	• Ensure the antenna is not damaged. • Ensure the antenna has a clear view of the sky and is not obscured. • Ensure the antenna cable has not been damaged

SiriusXM message: 'Channel xx Not Available'	A SiriusXM message informing you that the current channel is unavailable. Possible causes are SiriusXM has removed the channel or your SiriusXM subscription has changed. • Contact SiriusXM to update your subscription. • Online: Go to www.siriusxm.com/subscriptions • Phone: Call 1-866-635-2349
SiriusXM message: 'Channel xx Unsubscribed'	• Contact SiriusXM to update your subscription. • Online: Go to www.siriusxm.com/subscriptions • Phone: Call 1-866-635-2349
SiriusXM message: 'Subscription Updated'	A SiriusXM message informing you that you have either been granted access to or unsubscribed from various channels. For more information about your subscription: • Online: Go to www.siriusxm.com/subscriptions • Phone: Call 1-866-635-2349

Problem	Solution
iPod	
Why does my FUSION Head unit keep locking up when connected to my iPod/iPhone?	If you are experiencing software lock-ups or your unit freezes: • Reset the Head unit by pressing the reset button inside the face plate. • Reset your iPod/iPhone (see Apple website from model-specific information). This should resume normal operation. • Make sure you have the latest version of iTunes and the latest operating software in your iPod/iPhone. It is important to update software when Apple releases new versions. If you are connected via a dock, ensure you are using the correct sleeve and the connection to the Head unit is secure.
Will my iPod/iPhone connect to my FUSION product if the battery is flat?	No. It will take a number of minutes for the Apple product to get a minimum level of charge before it can connect and become operational. Please connect and wait for the unit to initialise.
My Apple Device has gone into thermal protection	Caution: The internal dock temperature of the MS-IP700 will be slightly higher than the ambient temperature outside the head unit. Should your Apple iPhone or iTouch shut down due to exceeding the operating temperature please carefully remove it from the MS-IP700 and allow it to cool down before using again. Using your Apple device in a low charged state will increase the heat generated whilst it is charging. For more information relating to this please follow the Apple support web site link below. http://support.apple.com/kb/ht2101

My iPod/iPhone will not connect to the Head unit while in the dock.	If your Head unit displays “Not Connected” while using iPod as input source: • Check that you are using the correct sleeve combination. If you have the incorrect sleeve combination this could prevent the iPod connector from mating correctly. It could also damage the connector in the dock or your iPod/iPhone itself. If you are uncertain which iPod model you have, go to http://www.apple.com/support/ to get the correct model information for your iPod and sleeve. If you are still unable to connect once you know for certain you have the correct iPod/iPhone–sleeve combination: • Ensure that you have the latest version of operating software installed in your iPod/iPhone and the latest iTunes version. To do this, connect your iPod/iPhone to iTunes and it will check and, if necessary, prompt you to download the latest version. If you are still unable to connect once you have confirmed that you have the latest software or you have updated your iPod/iPhone: • Reset the iPod/iPhone (see the user manual for your Apple product) and also reset the Head unit (see FUSION user manual). If you are still unable to connect: • Contact your FUSION dealer or contact FUSION via the tech email on the FUSION website.

Problem	Solution
Wireless Remote App for iPad and iPhone	
My FUSION-Link Wireless application displays “No stereo available”	The first thing to check is that you are connected to the correct wireless network for the 700 series.Once you have confirmed this close the App on the device and restart it (consult the manufacturers website for instructions on restarting) . If this fails check that you have a valid IP address on the 700 series and follow the instructions in the below tech support item
My FUSION-Link Wireless remote aplication wil not connect to my 700 Series stereo	The first thing to check is that the 700 series is displaying a valid IP address on the about screen. Select the settings menu then about to confirm. If the display is “ IPNone “ the router is either not a compatible DHCP product or not configured correctly. If the IP address starts with the prefix 169. it is not valid, this is a default address when the router is not sending a DHCP generated IP address or is configured incorrectly. Please review the Router’s instruction manual or contact the manufacturers website for technical help.

FCC compliance statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

General specifications

Operating voltage ..... 10.2–16 VDC negative ground
Fuse rating ..... 15 amp

DVD player

Laser power ..... Class I

Power output

Maximum ..... 70 W x 4
26 WRMS per channel at 4 ohms
45 WRMS per channel at 2 ohms
Pre-output voltage ..... 3 VRMS

Auxiliary input sensitivity

The 700 Series AUX input sensitivity is 1V RMS when gain is set to 0dB.

- Increasing the gain by 6dB doubles the input sensitivity (0.5V RMS for same volume).

Tuning range

Europe and Australasia

FM radio frequency range 87.5–108 MHz.
Frequency step 100 kHz
AM radio frequency range 522–1620 MHz.
Frequency step 9 kHz

USA

FM radio frequency range 87.5–107.9 MHz.
Frequency step 200 kHz
AM radio frequency range 530–1710 MHz.
Frequency step 10 kHz

Japan

FM radio frequency range 70–90 MHz.
Frequency step 50 kHz
AM radio frequency range 522–1620 MHz.
Frequency step 9 kHz

VHF tuning range

All regions
Frequency range: 156–164 MHz

LICENSING

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